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To: ["COLLINS Jamie" <Jamie.Collins@state.or.us>](mailto:Jamie.Collins@state.or.us)
Date: 3/6/2019 10:24:03 AM
Subject: RE: Update - 6 Mar 2019 - Lindsey Lake Tanker Truck Spill (I-84, MP 54; OERS 2019-0334)

4.5 TONS of soil!!? Wow, that's amazing. Great job down there, Jamie. I hope all is well!!

Matt Magorrian

From: COLLINS Jamie <Jamie.Collins@state.or.us>
Sent: March 06, 2019 09:28
Subject: Update - 6 Mar 2019 - Lindsey Lake Tanker Truck Spill (I-84, MP 54; OERS 2019-0334)

Hello all:

An update on the Lindsey Lake Tanker Truck spill.

Operations:

- We had hoped to conclude emergency phase operations today with final removal of petroleum-contaminated snow and soil. Unfortunately, mother nature is not cooperating and -- at the direction of our partners at ODOT -- we've had to suspend operations once again due to snow accumulation on the freeway. As before, water sampling and as much shoreline observation as we can safely perform will continue during the work stoppage. We hope to complete emergency phase operations by the end of the week.
- *South side (eastbound lanes) of highway:* Work is nearly complete. We are awaiting delivery of a bit more topsoil, which will be seeded with native grasses in the spring. We are still developing a plan to sample the hillside and recover any shredded sorbent still present.
- *North side (westbound lanes):* Excavation of soil and backfilling are nearly complete. We made the decision yesterday to excavate soil from a 30 foot long stretch of the Lindsey Lake shoreline, following the return of soil sample data which indicated the area was still contaminated. This shoreline was directly beneath the stretch of highway where most of the fuel streamed across the freeway after the spill occurred, so the results did not come as a complete surprise. Upon removing this soil, a very heavy sheen was observed inside the primary containment area. Sorbent material is being changed out as necessary to capture as much liberated fuel as possible.
- Crews from WFS Environmental and NWFF used hand tools and a vacuum truck to remove quite a bit of heavily contaminated snow between the west end of the excavation area and the culvert that allows Lindsey Creek to pass under the highway. Very heavy contamination was observed on the west bank of the creek, immediately above the water. This work necessitated the removal (by hand) of some vegetation along the wetland perimeter and streambank. A sheen was observed on the creek following the snow removal, but we anticipate it will dissipate; if we had allowed this snow to melt in place, it would result in the loading of quite a bit of diesel fuel directly into the creek. The riparian area has been added to our restoration plan (in development). Sorbent boom is in place as a result of the sheen, and erosion control installation on the streambank will proceed once we resume operations.
- We have now removed 4,571 tons of petroleum contaminated soil and 2,160 cubic yards of contaminated snow from the site. Over 10,000 pounds of contaminated sorbent has been properly disposed of at a local landfill.

Future outlook:

- We will resume operations as soon as we are able to do so. The conclusion of excavation operations will be followed immediately by drilling and monitoring/recovery well installation.
- Tracy England will be taking over at the site for DEQ once work resumes.

Environmental monitoring and assessment activities:

- Diesel fuel was detected within the water column in samples collected on Saturday and Sunday. These samples were taken within the primary containment area.
- Unified Command has approved formal plans for regular water sampling, shoreline monitoring, and boom maintenance/replacement that will proceed once excavation operations are completed. The plans also direct the maintenance and inspection of our erosion control BMPs on a regular schedule and in anticipation

- of/following any heavy rain events. We developed these plans in collaboration with ODFW, USFWS, and ODOT.
- Two dead crayfish were discovered during regular wildlife monitoring; one was found on the shoreline and the other inside the primary containment area.
- Work on our restoration plan continues; we will circulate the plan for comment once we have a draft in hand.

Very respectfully,

Jamie

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